

Title (en)

CORESET ENHANCEMENT FOR REDUCED BANDWIDTH UES

Title (de)

KERNSATZVERBESSERUNG FÜR BENUTZERGERÄTE MIT REDUZIERTER BANDBREITE

Title (fr)

AMÉLIORATION DE CORESET POUR UE À BANDE PASSANTE RÉDUITE

Publication

**EP 4128628 A1 20230208 (EN)**

Application

**EP 21716866 A 20210329**

Priority

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- SE 2021050277 W 20210329

Abstract (en)

[origin: WO2021201756A1] Systems and methods are disclosed herein for control resource set (CORESET) enhancements that are particularly beneficial for reduced bandwidth wireless communication devices. Embodiments of a method performed by a wireless communication device for a cellular communications system are disclosed. In one embodiment, a method performed by a wireless communication device for a cellular communications system comprises receiving, from a network node, information that configures a CORESET for the wireless communication device, the CORESET comprising four or more symbols in the time domain. The method further comprises receiving a physical downlink control channel (PDCCH) transmission from the network node within a search space that comprises at least a subset of time-frequency resources within the CORESET. In this manner, the CORESET is enhanced in a way that is particularly beneficial for reduced bandwidth wireless communication devices. Corresponding embodiments of a network node are also disclosed.

IPC 8 full level

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See references of WO 2021201756A1

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